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PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference T3403-802778	FOR FURTHER ACTION See Notticeation of Transmittal of International Preliminary Exemptor Form DOT/IDEA/416)				
International application No.	International filing date (day/mo	nth/year) I	Priority date (day/month/year)		
PCT/US03/00260	07 January 2003 (07.01.2003)	<u> </u>	7 January 2002 (07.01.2002)		
International Patent Classification (IPC)	or national classification and IPC				
IPC(7): D01C 3/00; D06P 5/00; C09B 6	7/00; B05D 1/28; D06M and US	CI.: 8/94.11, 490,	501, 583; 427/428; 252/8.6		
Applicant					
LONG, JACK W					
Examining Authority and	 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 				
2. This REPORT consists of	a total of <u>Sheets</u> , including	this cover sheet.			
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of a	total of sheets.				
3. This report contains indica	tions relating to the following i	tems:			
I Basis of the report					
II Priority					
III Non-establishment of report with regard to novelty, inventive step and industrial applicability					
IV Lack of unity of invention					
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial					
applicability; citations and explanations supporting such statement					
VI Certain documents cited VII Certain defects in the international application					
The second of th					
VIII Certain observations on the international application					
Date of submission of the demand	Date	of completion of	this report		
09 August 2004 (09.08.2004)		03 November 2004 (03.11.2004)			
Name and mailing address of the IPEA/US		rized officer			
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450		ndra N. Gupta	DEBORAH A. THOMAS PARALEGAL SPECIALIST		
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Telepl	ione No. 571-272	CDAHA-1000		
Fracshinie No. (703) 303-3230 Form PCT/IPEA/409 (cover sheet)(July 1998)					

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INTERNATIONA	I. PRELIMIN	ARV EXAMIN	JATION DEPODT

International application No. PCT/US03/00260

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├	I. Basis of the report					
1.	With regard to the elements of the international application:*					
	\bowtie	the international application as originally filed.				
	\boxtimes	the description:				
		pages 1-7 as originally filed				
		pages NONE , filed with the demand				
		pages NONE , filed with the letter of	İ			
	\boxtimes	the claims:				
ŀ		pages 8-10 , as originally filed				
		pages NONE, as amended (together with any statement) under Article 19 pages NONE, filed with the demand	1			
		pages NONE , filed with the letter of	١			
		the drawings:	1			
		pages NONE , as originally filed	I			
		pages NONE , filed with the demand	I			
		pages NONE , filed with the letter of	ŀ			
		the sequence listing part of the description:	ł			
		pages NONE , as originally filed				
		pages NONE, filed with the demand	l			
_		pages NONE , filed with the letter of	I			
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the	l			
	Thes	page in which the international application was filed, unless otherwise indicated under this item. e elements were available or furnished to this Authority in the following language which is:	l			
			l			
	H	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).	ļ			
	H	the language of publication of the international application (under Rule 48.3(b)).	ĺ			
	Ш	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).				
3.	With intern	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:				
		contained in the international application in printed form.				
	Щ	filed together with the international application in computer readable form.				
	Ц	furnished subsequently to this Authority in written form.				
		furnished subsequently to this Authority in computer readable form.	l			
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
	Ш	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.				
4.		The amendments have resulted in the cancellation of:				
		the description, pages NONE				
		the claims, Nos. NONE	ĺ			
		the drawings, sheets/ fig NONE				
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go	ĺ			
٠		beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**				
* R	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in					
*/117	ιερυι	t as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). placement sheet containing such amendments must be referred to under item 1 and annexed to this report.				
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Form PCT/IPEA/409 (Box I) (July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT
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International application No. PCT/US03/00260

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. STATEMENT					
Novelty (N)	Claims Claims	1-15 NONE	YES NO		
Inventive Step (IS)	Claims Claims	1-15 NONE	YES NO		
Industrial Applicability (IA)	Claims Claims	1-15 NONE	YES NO		
composition comprising Permethrin, an emulsifier an substituted ammonium salts of alkylated phosphoric at Abel et al. (US 4,460,374) illustrate in exa ammonium salts of alkylated phosphoric acids admissuggest It would not have been obvious to modify the of alkylated phosphoric acids admixed with free alky acids are aliphatic monocarboxylic acids of 1 to 5 car acid, methacrylic acid, dimethylacrylic acid, halogen trifluoroacetic acid, hydroxyacetic acid, glycolic acid cyclohexanecarboxylic acid; araliphatic carboxylic acid, salicylic acid, m- or p-hydroxyl as oxalic acid, malonic acid, succinic acid, glutaric a methanesulfonic acid, ethanesulfonic acid, trifluorom dodecylbenzenesulfonic acid, ethanesulfonic anhydride, si phosphoric acid, the alkyl moieties of which esters methanesulfonic acid, the alkyl moieties of which esters methanesulfonic acid, ethanesulfonium salts of alkylate broad teachings of Becker et al. (US 4,559,150) suggest the us permethrin, however, one of ordinary skill in the art and a blend of substituted ammonium salts of alkylate broad teachings of Becker et al. suggest a various acid. De Sousa et al. (US 4,602,912) suggest a mothproofi However, De Sousa et al. do not teach the required befree alkylated phosphoric acid. The broad teachings However, one of ordinary skill in the art would not be blend of substituted ammonium salts of alkylated photeachings of De Sousa et al. suggest a composition of acid. See example 7, col.28.	and an effective acids admixed mple 11, a co ed with free a ce teaching of a lated phosphorbon atoms, e lated acetic acid or lactic acid cids such as ploenzoic acid ocid, adipic acid than estimate acid con a contain 1 (acid se of diammon would not have a composition of De Sousa ce motivated to sphoric acids omprising periods.	with free alkylated phosphoric acid. mposition comprising permethrin without the a blen lkylated phosphoric acid because the broad teaching Abel et al. with the required a blend of substituted a ric acid because the broad teaching Abel et al. with the required a blend of substituted a ric acid because the broad teachings of Abel et al. sig. formic acid, acetic acid, propionic acid, buy sig. g. formic acid, acetic acid, propionic acid, buy significant acid, acetic acid, dichloroacetic acid; such as monochloroacetic acid, dichloroacetic acid; aromatic monocarboxylic acids such as menylacetic acid; aliphatic dicarboxylic or tricarbox; id, citric acid, malic acid, maleic acid, methylmalei or acid, benzenesulfonic acid, alkylbenzenesulfonic acid, benzenesulfonic acid, alkylbenzenesulfonic or phosphoric acid, as well as monoalkyl or dialkyl to 12, preferably 3 to 8, carbon atoms. See col.5-6 and phosphoric acid biocidal compositions. See col.5-6. On comprising permethrin and an alkyl ester of phosphoric acid ammonium salts of alkylated phosphoric acid esters to modify the teaching of De Sousa et al. to arrive a admixed with free alkylated phosphoric acid because acid.	and of substituted gs of Abel et al. ammonium salts suggest that the acid, acrylic cid or ch as benzoic ylic acids such ic acid; and also acid, e.g. ester of i roids such as ising permethrin because the sphoric acid. s admixed with s in general. t the required se the broad or of phosphoric		